

22 FEB 2002

FORM PTO-1390 (REV. 12-2001)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 34434	
<b>TRANSMITTAL LETTER TO THE UNITED STATES          DESIGNATED/ELECTED OFFICE (DO/EO/US)          CONCERNING A FILING UNDER 35 U.S.C. 371</b>				U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/069263</b>	
INTERNATIONAL APPLICATION NO. PCT/NL00/00584		INTERNATIONAL FILING DATE August 24, 2000		PRIORITY DATE CLAIMED August 27, 1999	
TITLE OF INVENTION TRANSFER LABEL					
APPLICANT(S) FOR DO/EO/US Patrick Johannes Blom and Thomas Lynn Brandt					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. and Form PTO-1449</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>14. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: <b>NOTE: THIS APPLICATION IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER 37 C.F.R. Sec. 1.10 ON FEBRUARY 22, 2002, UNDER EXPRESS MAIL LABEL NO. EL665363178US AND IS BEING ADDRESSED TO THE COMMISSIONER FOR PATENTS, ATTN: BOX PCT, WASHINGTON, DC 20231.</b></li> </ol>					

U.S. APPLICATION NO. (if known, see 37 CFR 1.51) <b>107069263</b>		INTERNATIONAL APPLICATION NO. PCT/NL00/00584		ATTORNEY'S DOCKET NUMBER 34434	
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21. <input checked="" type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... <b>\$1040.00</b>  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... <b>\$890.00</b>  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$740.00</b>  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... <b>\$710.00</b>  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <b>\$100.00</b> <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<b>CALCULATIONS PTO USE ONLY</b>          <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: right;">\$ 890.00</td> <td style="width: 50%;"></td> </tr> <tr> <td style="text-align: right;">\$ 0.00</td> <td></td> </tr> </table>		\$ 890.00		\$ 0.00	
\$ 890.00									
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Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$ 0.00					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$					
Total claims	16 - 20 =	0	x \$18.00	\$ 0.00					
Independent claims	2 - 3 =	0	x \$84.00	\$ 0.00					
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$280.00 \$ 0.00					
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 890.00					
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$ 0.00					
<b>SUBTOTAL =</b>				\$ 890.00					
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$ 0.00					
<b>TOTAL NATIONAL FEE =</b>				\$ 890.00					
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$ 0.00					
<b>TOTAL FEES ENCLOSED =</b>				\$ 890.00					
				Amount to be refunded:	\$				
				charged:	\$				

a. ☒ A check in the amount of \$ 890.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 16-0820. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

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 NAME

34226  
 REGISTRATION NUMBER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Patrick Blom, et al.  
Title: TRANSFER LABEL  
International  
Application No.: PCT/NL00/00584  
International  
Filing Date: August 24, 2000  
Docket No.: 34434

PRELIMINARY AMENDMENT

Commissioner for Patents  
ATTN: BOX PCT  
Washington, DC 20231

Sir:

Please enter this amendment prior to the examination of the above-referenced patent application. Please amend the application as follows.

IN THE SPECIFICATION:

Page 1, between the Title and line 1 of the specification, please add a new paragraph to read as follows.

- -This application was published in English on March 8, 2001 as International Publication Number WO 01/15915 A1.- -

IN THE CLAIMS:

Page 8, line 1 delete the centered heading "Claims" and insert therefore starting at the left hand margin a new paragraph which reads --WHAT IS CLAIMED IS:--.

Please amend claims 3-6 to read as follows.

- 1 3. (Amended) Transfer label material according to claim 1, wherein the transfer layer
- 2 further comprises a boundary layer between the backing carrier material and the image layer.

- 1 4. (Amended) Transfer label material according to claim 1, wherein the aluminum  
2 powder has a particle size between 1 and 100  $\mu\text{m}$ , preferably between 5 and 50  $\mu\text{m}$ .
- 1 5. (Amended) Transfer label material according to claim 1, wherein the pigmented layer  
2 contains a water based ink as binder material.
- 1 6. (Amended) Shaped object, having at least one surface, being provided with at least  
2 one label transferred from a transfer label material comprising a backing carrier material and  
3 a transfer layer, said transfer layer at least comprising an image layer, an adhesive layer and a  
4 pigmented layer between the adhesive layer and the image layer, said pigmented layer  
5 comprising a binder material, at least one pigment and at least 0.1 wt %, calculated on the  
6 basis of the pigmented layer, of aluminum powder (dry weight).

Please add new claims 7-16 to read as follows.

- 1 7. (New) Transfer label material according to claim 2, wherein the transfer layer further  
2 comprises a boundary layer between the backing carrier material and the image layer.
- 1 8. (New) Transfer label material according to claim 2, wherein the aluminum powder  
2 has a particle size between 1 and 100  $\mu\text{m}$ , preferably between 5 and 50  $\mu\text{m}$ .
- 1 9. (New) Transfer label material according to claim 3, wherein the aluminum powder  
2 has a particle size between 1 and 100  $\mu\text{m}$ , preferably between 5 and 50  $\mu\text{m}$ .
- 1 10. (New) Transfer label material according to claim 2, wherein the pigmented layer  
2 contains a water based ink as binder material.
- 1 11. (New) Transfer label material according to claim 3, wherein the pigmented layer  
2 contains a water based ink as binder material.
- 1 12. (New) Transfer label material according to claim 4, wherein the pigmented layer  
2 contains a water based ink as binder material.

- 1 13. (New) The shaped object of claim 6, wherein the pigmented layer is opaque.
- 1 14. (New) The shaped object of claim 6, wherein the transfer layer further comprises a  
2 boundary layer between the backing carrier material and the image layer.
- 1 15. (New) The shaped object of claim 6, wherein the aluminum powder has a particle  
2 size between 1 and 100  $\mu\text{m}$ , preferably between 5 and 50  $\mu\text{m}$ .
- 1 16. (New) The shaped object of claim 6, wherein the pigmented layer contains a water  
2 based ink as binder material.

REMARKS

The application has been amended to conform to U.S. practice. Claims 3-6 have been amended and new claims 7-16 have been added to eliminate multiple dependency.

Please charge any fees required during the entire pendency of this application under 37 CFR 1.16 or 1.17 to our Deposit Account No. 16-0820, Order No. 34434.

If any fees are required by this communication, please charge such fees to our Deposit Account No. 160820 Order No. 34434.

Respectfully submitted,

PEARNE & GORDON LLP

By John P. Murtaugh  
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Date: 2-22-02

**INDICATION OF REVISIONS TO CLAIMS 3-6**  
**OF U.S. NATIONAL PHASE OF PCT/NL00/00584**

1 3. Transfer label material according to claim 1[ or 2], wherein the transfer layer further  
2 comprises a boundary layer between the backing carrier material and the image layer.

1 4. Transfer label material according to claim 1[-3], wherein the aluminum powder has a  
2 particle size between 1 and 100  $\mu\text{m}$ , preferably between 5 and 50  $\mu\text{m}$ .

1 5. Transfer label material according to claim 1[-4], wherein the pigmented layer  
2 contains a water based ink as binder material.

1 6. (Amended) Shaped object, having at least one surface, being provided with at least  
2 one label transferred from [the] a transfer label material [according to any one of the  
3 claims 1-5] comprising a backing carrier material and a transfer layer, said transfer layer at  
4 least comprising an image layer, an adhesive layer and a pigmented layer between the  
5 adhesive layer and the image layer, said pigmented layer comprising a binder material, at least  
6 one pigment and at least 0.1 wt %, calculated on the basis of the pigmented layer, of  
7 aluminum powder (dry weight).

Rec'd PCT/PTO 22 FEB 2002

Title: Transfer label

The invention is directed to a transfer label, based on an image transfer system and more in particular on a transfer label that is opaque, and can be applied over pre-existing permanent printed images on substrate surfaces.

5 Quite often there is a need for application of a label on a surface that already has a pre-existing permanent printing on it, for example a silk screen printing, which cannot be removed without destructive treatment of the surface. This need may arise in the case of a container, such  
10 as a plastic crate for (beer) bottles or other goods, that is used for different brands or promotional items.

It has already been proposed and applied in practice to glue an opaque paper or plastic label on top of the pre-existing printed images.

15 Recently, much attention has been directed to the application of labels by image transfer to a surface. Image transfer is defined as the process of transferring a reverse printed ink-only image from a backing material (carrier web) onto a receiving surface, such as that of a bottle or a  
20 crate.

There is a need for using this system of image transfer in relation to applying labels over pre-existing permanent printed images. However, this has the problem that the conventional ink-only labels (image transfer) generally  
25 do not provide sufficient opacity to fully cover and mask the pre-existing print and the color of the article on which the label is to be applied. Inclusion of a conventional white layer in the transfer label based on titanium dioxide, zinc oxide and/or calciumcarbonate pigments can create problems  
30 with the printing of the label onto the backing layer and with the transferability of the label material to the substrate surface. Generally more than two layers of white pigmented ink have to be used, to provide sufficient opacity

to mask the pre-existing print and/or the color of the substrate article.

There is a need for preventing possible bleed through from affecting the new label image. Bleed through of the background color could affect tone, hue and/or brightness of the image. There is a need to prevent this.

There is accordingly a need for an improved label material wherein at least one opaque layer is present, which serves, among others to hide an existing imprint, while at the same time providing at least equivalent processing characteristics in terms of label printing and transfer.

The invention is directed to a transfer label material for image transfer, comprising a backing material and a transfer layer, said transfer layer at least comprising an image layer, an adhesive layer and a pigmented layer between the adhesive layer and the image layer, said pigmented layer comprising a binder material, a pigment and at least 0.1 wt.%, calculated on the basis of the dry weight of the pigmented layer, of aluminium powder.

It has been found that adding a relatively small amount of aluminium powder to at least one pigmented layer results in an opacity, sufficient to hide an existing underlying printing and/or to prevent bleed through of the background color. The amount of aluminium powder can be kept quite low, up to 5 wt.%, preferably between 0.1 and 1.5 wt.%.

The aluminium powder may be used as such, or incorporated in a suitable matrix material such as a fat derivative, including but not limited to fats and oils, fatty acids, fatty acid esters and the like.

In view of the printing properties of the pigmented layer it is preferred to use aluminium powder with a particle size of between 1 and 100  $\mu\text{m}$ , preferably between 5  $\mu\text{m}$  and 50  $\mu\text{m}$ .



Detailed description of the invention

The label materials of the invention can comprise various layers, the essential ones being the removable  
5 backing layer, at least one image layer, an opaque layer and an adhesive layer. Depending on the use of the label, the actual build-up of the label may vary. In the most simplistic embodiment the label only consists of the layers described herein. Generally however, more layers are present. In one  
10 embodiment the image layer can consist of two or more separate layers, each comprising different colours. Further it is possible to use more than one adhesive layer and/or a bonding layer between the adhesive layer and said opaque pigmented layer. Also a protective layer may be present on  
15 top of the image layer, between the image layer and the removable backing layer.

Depending on the structure of the label, it can be utilized for either removable or permanent applications. In particular for use on plastic crates which hold bottles, it  
20 may be advantageous to use removable labels, more in particular to provide temporary labels for promotional activities, or to indicate the brand of the contents, which can vary depending on changing marketing demands.

The various possibilities of label structure can be  
25 found in the documents cited here after, the said structures being incorporated herein by way of reference.

In the context of the present invention the term image transfer is used to define a labelling system, wherein a removable backing layer is reverse printed with a suitable  
30 ink and subsequently overprinted with adhesive. Important in the image transfer technique is the absence of a transparent or opaque supporting carrier film on the image, once it has been transferred to the surface. At this stage, the image (label) only consists of adhesive, ink materials, optionally  
35 with a clear protective coating. A general disclosure of this technique is for example disclosed in WO-A 9005088 and WO-A

9005353. Other embodiments of the image transfer system are disclosed in WO-A 9734810, WO-A 0735292, WO-A 9735291 and WO-A 9735290, the contents of all six applications is incorporated herein by way of reference.

5           In the context of the present invention it is also possible to use other types of no-label-look materials, such as transparent or semi-transparent labels having a supporting film layer that is incorporated in the label.

10           The preferred embodiment of the label and application according to the present invention will be described first with references to the figure which shows a substrate surface (1) and the label positioned for application. The label is printed on a carrier film (10) which may be any thin film, preferably oriented polypropylene or polyester. (14) is a  
15           protective coating which may or may not be employed, depending on the properties and use of the final label. (12) is a release material which coats the carrier film for the purpose of providing a known, low peel force mechanical separation. It may be silicone which is generally applied to  
20           the film after the film manufacture. (20) represents all the printed ink material, which may be permanent or removable, depending on the desired characteristics.

          Depending on the label graphics and opacity requirements the ink materials may be as many as eight (8)  
25           different colors in one or more layers, some of which may overlay another. (30) represents a layer of adhesive. (40) represents the pigmented opaque layer. It is to be noted that adhesive and opaque layer may be construed from more than one layer.

30           Upon application, all of the printed materials are transferred from the release coated film substrate. The printed ink materials can be vinyl, acrylic, urethane or polyester resin based, or combinations thereof, colored with pigments or dyes. The printed adhesive can be a urethane  
35           modified acrylic, heat activatable adhesive or any other suitable heat activatable adhesive. For heat activatable

adhesive to achieve and maintain tack quickly it may be necessary to heat the substrate surface before the label adhesive is put in contact with it. In some applications it is also possible to use a pressure sensitive adhesive.

5 Many options are available for heating the substrate surface. Convective hot air, oxidizing flame heaters, gas fired infra-red panels and electric ceramic panels can all be used.

10 The method of label application whereby the printed ink materials are transferred from the carrier film to the substrate surface, utilising the tactile characteristics of the adhesive to overcome the bond of the ink layer 14 to the release coating 12.

15 Many types of silicone coated polymer films can be used for the printed carrier film.

The invention is applicable to various systems of label handling, including, but not limited to reel-to reel systems and magazine fed systems.

20 In a reel-to-reel system, conventional web handling techniques can be used to advance the film to present the next label and position it accurately, utilizing a printed "I" mark to trigger an optical scanning device.

25 Protection of the image against scratching by casual handling as well as insuring its weatherability when subjected to outdoor storage may be achieved with the application of a protective coating, such as a water based acrylic wax emulsion. This can be applied via a roller coater device, which is supplied with coating material through a doctor blade in order to control the amount of coating applied. The coating extends well past the edges of the label image and seals the edges from intrusive moisture. It is also possible to have a protective coating present preprinted on the transfer label.

35 The essential aspect of the invention resides in the use of a pigmented layer between the image layer and the adhesive layer. The said pigmented layer, preferably opaque,

at least consists of an ink resin as a binder, white pigment, the white pigment usually being titanium dioxide, zinc oxide and/or calcium carbonate, and aluminium powder. Said aluminium powder is present in an amount of at least 0.1 wt.%, more in particular in an amount of between 0.2 and 5 wt.%, calculated on the weight of the pigmented layer.

The ink resin binder for the pigmented layer can be any ink suitable for application in image transfer systems, such as solvent based or water based acrylic, urethane and the like inks, preferably a water based acrylic ink.

The invention is now elucidated on the basis of the following examples, which are not intended as limiting the scope of the invention in any way.

#### 15            Examples

Two transfer labels were prepared by rotogravure printing with the following sequence of layers printed onto a siliconised film of OPP:

1. Protective layer, comprising a transparent acrylic ink
2. One or more (up to eight) ink image layers, comprising of suitable pigmented inks or dyes
3. First layer containing white pigment in an acrylic binder
4. Two different second layers containing two different white pigment compositions (one comparative; one according to the invention) in an acrylic binder
5. Binding layer, providing adhesion between white layers and adhesive
6. Heat activatable adhesive layer

The two label variants were then transferred onto the surface of a plastic bottle crate, over an existing silk screen printing.

In the first example the two white layers contained 4 g/m<sup>2</sup> of white pigment, TiO<sub>2</sub>. Even with this large amount of

pigment the pre-existing silk screen printing could be visually noticed through the label image. Increase of the amount of pigment was not possible in light of the deterioration of printing and transfer characteristics.

5           In a second example 0.6 wt.% of aluminium powder, having a particle size of 15  $\mu\text{m}$ , based on the weight of the said layer, was added. The label was completely opaque and the existing printing could not be visually noticed through the label image. The printing and application characteristics  
10   were good

Claims

1. Transfer label material for image transfer, comprising a backing carrier material and a transfer layer, said transfer layer at least comprising an image layer, an adhesive layer and a pigmented layer between the adhesive  
5 layer and the image layer, said pigmented layer comprising a binder material, at least one pigment and at least 0.1 wt %, calculated on the basis of the pigmented layer, of aluminium powder (dry weight).
2. Transfer label material according to claim 1, wherein  
10 the pigmented layer is opaque.
3. Transfer label material according to claim 1 or 2, wherein the transfer layer further comprises a boundary layer between the backing carrier material and the image layer.
4. Transfer label material according to claim 1-3,  
15 wherein the aluminium powder has a particle size between 1 and 100  $\mu\text{m}$ , preferably between 5 and 50  $\mu\text{m}$ .
5. Transfer label material according to claim 1-4, wherein the pigmented layer contains a water based ink as binder material.
- 20 6. Shaped object, having at least one surface, being provided with at least one label transferred from the transfer label material according to any one of the claims 1-5.

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Leiden (NL). **BRANDT, Thomas, Lynn** [US/US]; 403  
Flandershill Road, Windsor, NY 13865 (US).

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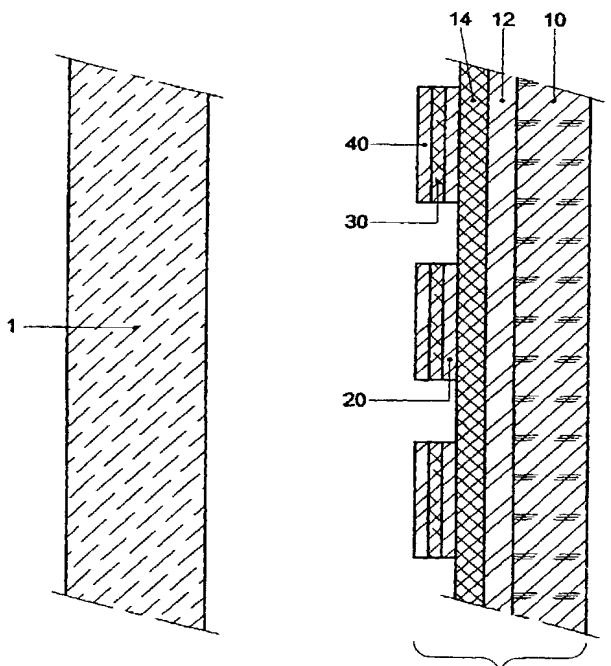
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CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **BLOM, Patrick,**  
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[Continued on next page]

(54) Title: TRANSFER LABEL



LABEL & SUBSTRATE  
EXPLODED VIEW

(57) Abstract: The invention is directed to a transfer label material for image transfer, comprising a backing carrier material and a transfer layer, said transfer layer at least comprising an image layer, an adhesive layer and a pigmented layer between the adhesive layer and the image layer, said pigmented layer comprising a binder material, at least one white pigment and at least 0.1 wt.%, calculated on the basis of the pigmented layer, of aluminium powder (dry weight).

WO 01/15915 A1

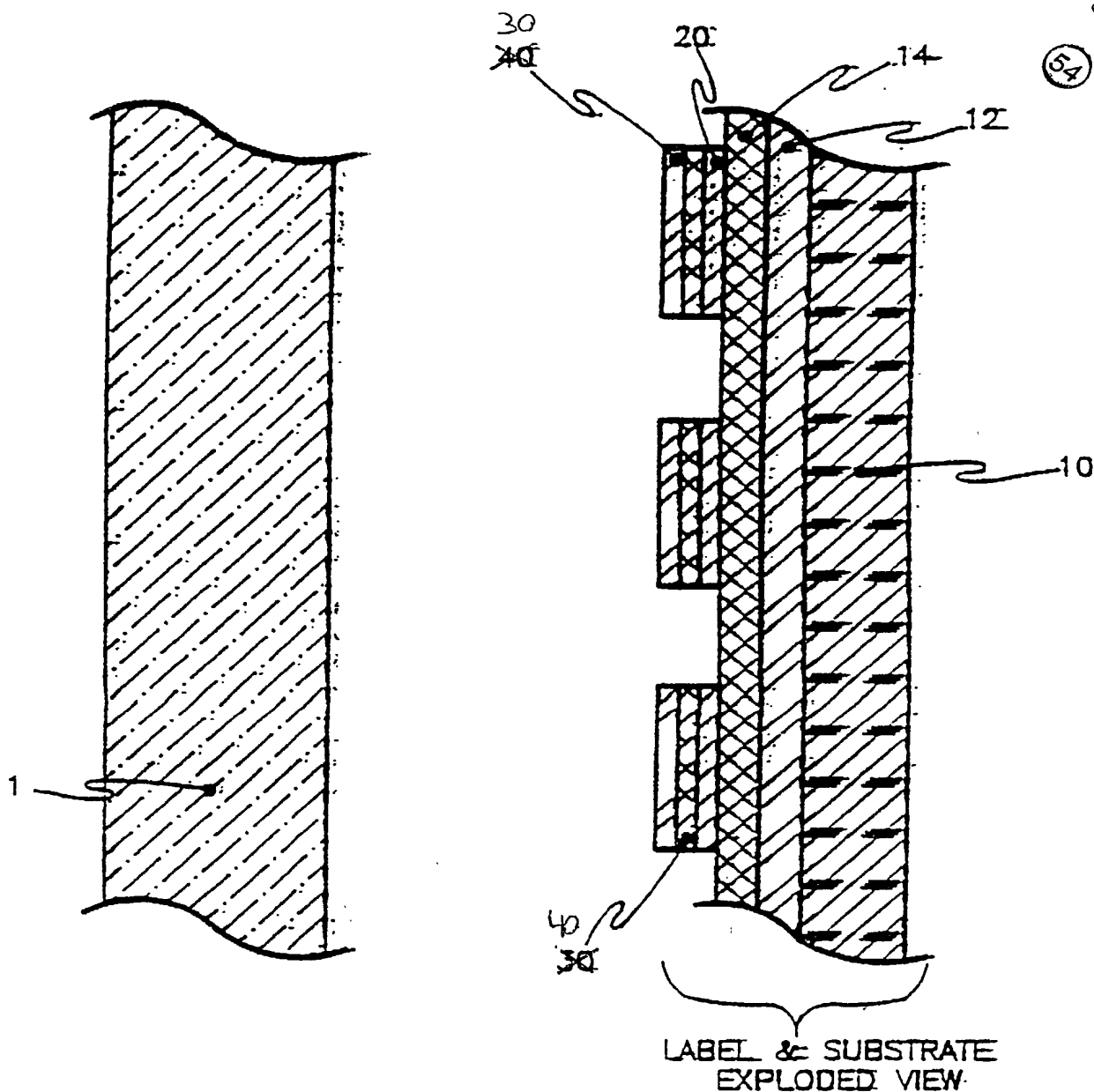


FIG. 1

LABEL & SUBSTRATE  
EXPLODED VIEW



**Declaration and Power of Attorney Patent Application  
(Design or Utility)**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: "Transfer label"

the specification of which

- ☐ is attached hereto  
☒ was filed on February 22, 2002 as application serial no. 10/069,263  
and or PCT International Application number PCT/NL00/00584 and was amended  
on (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information know to me to be material to patentability as defined in 37 C.F.R. §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 35 U.S.C. §365(b) of any foreign application(s) for patent or inventor's certificate, or 35 U.S.C. §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate of PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)		
Number	Country	Day/Month/Year Filed
99202789.6	EP	27 August 1999
Number	Country	Day/Month/Year Filed
Number	Country	Day/Month/Year Filed

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

<b>Prior Provisional Application(s)</b>	
<b>Serial Number</b>	<b>Day/Month/Year Filing Date</b>
<b>Serial Number</b>	<b>Day/Month/Year Filing Date</b>
<b>Serial Number</b>	<b>Day/Month/Year Filing Date</b>

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or under 35 U.S.C. §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

<b>Prior U.S. or International Application(s)</b>		
<b>Serial Number</b>	<b>Day/Month/Year Filed</b>	<b>Status</b> (patented, pending, abandoned)
<b>Serial Number</b>	<b>Day/Month/Year Filed</b>	<b>Status</b> (patented, pending, abandoned)
<b>Serial Number</b>	<b>Day/Month/Year Filed</b>	<b>Status</b> (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

## Power of Attorney

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Attorney

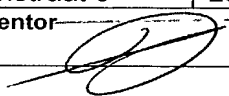
Registration Number

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William C. McCoy	<u>16,885</u>
Richard H. Dickinson, Jr.	<u>18,622</u>
Thomas P. Schiller	<u>20,677</u>
David B. Deioma	<u>22,841</u>
Joseph J. Corso	<u>25,845</u>
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Jeffrey J. Sopko	<u>27,676</u>
John P. Murtaugh	<u>34,226</u>
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David E. Spaw	<u>34,732</u>
Michael W. Garvey	<u>35,878</u>
Aaron A. Fishman	<u>44,682</u>

I hereby authorize them or others whom they may appoint to act and rely on instructions from and communicate directly with the person/organization who/which first sends this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instructed otherwise.

Please direct all correspondence in this case to at the address indicated below:

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